

INTERIM EDDS ADMINISTRATIVE INTERPRETATION

Owen B. Carter, P.E., County Engineer

SUBJECT: ARTERIAL ROAD STRUCTURAL SECTION

Referenced EDDS Sections:

- a. EDDS 4-09.A, "Surfacing Requirements – Design"
Subsections (2) and (5)
- b. EDDS 4-09.B, "Surfacing Requirements – Subgrade"
- c. SD 3-010, "Typical Arterial Road – Rural Areas"
- d. SD 3-020, "Typical Arterial Road – Urban Areas"
- e. SD 3-030A, "Road Standards – Arterials"

DISCUSSION:

- a. **EDDS 4-09.A(2) & (5)** require a structural section design for all arterial roads, whether new construction or modification of existing roads.
- b. **EDDS 4-09.B** specifies road subgrade requirements, including the option for alternative arterial road sections.
- c. **SD 3-010** states that the standard roadway section for a rural arterial road shall be by specific design.
- d. **SD 3-020** states that the standard roadway section for an urban arterial road shall be by specific design.
- e. **SD 3-030A** identifies various design elements that may be considered for arterial roads.

INTERPRETATION INSTRUCTIONS:

An interim interpretation of the above EDDS' requirements is hereby approved to define the required minimum arterial road section, in lieu of a project-specific design, where an existing arterial road is being widened or frontage improvements added to an arterial road. The structural section of the improvements shall meet one of the following criteria, whichever is GREATER:

- a. The structural section of the existing arterial road to which improvements are being made.
- or
- b. The structural section of the "Typical Non-Arterial Road – Rural Areas" (SD 3-040) or "Typical Non-Arterial Road – Urban Areas" (SD 3-050).


The existing road structural section shall be determined by:

- core samples, or
 - visual inspection by the design engineer at the time the road edge is cut for construction. Certification of the existing and constructed road sections shall be provided by the design engineer in a signed memo or statement on the project's engineering record drawings (as-built plans).
- A new arterial road structural section shall be designed and submitted as part of the project application for approval by the County Engineer. As stated in EDDS 4-09.A(2), the design shall take into account the load-bearing capacity of the soil, the expected traffic volume including trucks, and the load requirements of the roadway.

This interpretation will not compromise public health, safety or welfare.

EDDS DEVIATION REQUIRED:

An EDDS deviation is required for any other changes to arterial road structural sections.

 3/30/08
Owen B. Carter Date
County Engineer

This interim EDDS administrative interpretation is approved for this project pursuant to the SCC 13.01.020(4) delegation of authority from the County Engineer.

Reviewer

Date

Project Name

PFN

Discussion (if necessary):